

Author Index

- Abebe, G., see Knowles, G., 25
- Affranchino, J.L., Ibañez, C.F., Luquetti, A.O., Rassi, A., Reyes, M.B., Macina, R.A., Åslund, L., Pettersson, U. and Frasch, A.C.C.
Identification of a *Trypanosoma cruzi* antigen that is shed during the acute phase of Chagas' disease, 221
- Agabian, N., see Barnes, D.A., 135
- Alvar, J., see Van Eys, G.J.J.M., 53
- Ambrosio, R.E., see Posnett, E.S., 75
- Anders, R.F., see Sheppard, M., 45
- Araujo, F.G., see Prince, J.B., 3
- Åslund, L., see Affranchino, J.L., 221
- Avivi, A., see Ram, D., 167
- Barnes, D.A., Mottram, J., Selkirk, M. and Agabian, N.
Two variant surface glycoprotein genes distinguish between different substrains of *Trypanosoma brucei gambiense*, 135
- Beaven, G.H., see Rangachari, K., 63
- Beecroft, R.P., see Roditi, I., 35
- Beverley, S.M., see Iovannisci, D.M., 177
- Bianco, A.E., see Bradley, J.E., 197
- Black, S.J., see Knowles, G., 25
- Boothroyd, J.C., see Prince, J.B., 3
- Bradley, J.E., Gregory, W.F., Bianco, A.E. and Maizels, R.M.
Biochemical and immunochemical characterisation of a 20-kilodalton complex of surface-associated antigens from adult *Onchocerca gutturosa* filarial nematodes, 197
- Brindley, P.J., Strand, M., Norden, A.P. and Sher, A.
Role of host antibody in the chemotherapeutic action of praziquantel against *Schistosoma mansoni*: identification of target antigens, 99
- Brown, D., see Shiels, B., 209
- Burg, J.L., see Prince, J.B., 3
- Chang, K.-P., see Katakura, K., 189
- Christopherson, R.I., see Gero, A.M., 87
- Clark, C.G., Cross, G.A.M. and De Jonckheere, J.F.
Evaluation of evolutionary divergence in the genus *Nae-gleria* by analysis of ribosomal DNA plasmid restriction patterns, 281
- Clark, J.T., see Fenton, B., 79
- Clough, B., see Rangachari, K., 63
- Crampton, J., see Ellis, J., 261
- Cross, G.A.M., see Clark, C.G., 281
- Cruz, F.S., see Gadelha, F.R., 117
- De Jonckheere, J.F., see Clark, C.G., 281
- De Souza, W., see Gadelha, F.R., 117
- Druzewski, A.R., see Rangachari, K., 63
- Dobbelaere, D., see Roditi, I., 35
- Dobbelaere, D.A.E., see Gerhards, J., 15
- Docampo, R., see Gadelha, F.R., 117
- Eckerskorn, C., see Heidrich, H.-G., 147
- Ehrefeld, A.Y.B., see Gerhards, J., 15
- Ellis, J., Knapp, T. and Crampton, J.
Cloning of a polymorphic DNA fragment from the genome of *Leishmania donovani*, 261
- Esquenazi, D., Morel, C.M. and Traub-Cseko, Y.M.
Characterization of tubulin genes in *Trypanosoma rangeli*, 253
- Evans, D.A., see Van Eys, G.J.J.M., 53
- Fenton, B., Clark, J.T., Wilson, C.F., McBride, J.S. and Walliker, D.
Polymorphism of a 35-49 kDa *Plasmodium falciparum* merozoite surface antigen, 79
- Frasch, A.C.C., see Affranchino, J.L., 221
- Gadelha, F.R., Moreno, S.N.J., De Souza, W., Cruz, F.S. and Docampo, R.
The mitochondrion of *Trypanosoma cruzi* is a target of crystal violet toxicity, 117
- Galindo, I. and Ramírez Ochoa, J.L.
Study of *Leishmania mexicana* electrokaryotype by clamped homogeneous electric field electrophoresis, 245
- Gerhards, J., Gill, A.C., Ehrefeld, A.Y.B., Dobbelaere, D.A.E. and Williams, R.O.
Isolation and characterization of RNA from the intracellular parasite *Theileria parva*, 15
- Gero, A.M., Scott, H.V., O'Sullivan, W.J. and Christopher-son, R.I.
Antimalarial action of nitrobenzylthioinosine in combination with purine nucleoside antimetabolites, 87
- Gill, A.C., see Gerhards, J., 15
- Glascodine, J., see Shiels, B., 209
- Gratzer, W.B., see Rangachari, K., 63
- Gregory, W.F., see Bradley, J.E., 197
- Grossman, Z., see Ram, D., 167
- Gwo-Shu Lee, M. and Van der Ploeg, L.H.T.
Colonies of procyclic *Trypanosoma brucei* on semi-solid agarose plates (*Short Communication*), 193
- Hall, R., see Shiels, B., 209
- Harrison, C., see Shiels, B., 209
- Harun, S., see Sim, B.K.L., 127
- Heidrich, H.-G., Miettinen-Baumann, A., Eckerskorn, C. and Lottspeich, F.
The N-terminal amino acid sequences of the *Plasmodium falciparum* (FCB1) merozoite surface antigens of 42 and 36 kilodalton, both derived from the 185-195 kilodalton precursor, 147
- Hughes, D.E., Shonekan, O.A. and Simpson, L.
Structure, genomic organization and transcription of the bi-functional dihydrofolate reductase-thymidylate synthase gene from *Crithidia fasciculata*, 155
- Ibañez, C.F., see Affranchino, J.L., 221
- Iovannisci, D.M. and Beverley, S.M.
Structural alterations of chromosome 2 in *Leishmania major* as evidence for diploidy, including spontaneous amplification of the mini-exon array, 177
- Katakura, K. and Chang, K.-P.
H DNA amplification in *Leishmania* resistant to both arsenite and methotrexate (*Short Communication*), 189
- Kemp, D.J., see Sheppard, M., 45

- Kiatfuengfoo, R., Suthiphongchai, T., Prapunwattana, P. and Yuthavong, Y.
Mitochondria as the site of action of tetracycline on *Plasmodium falciparum*, 109
- Knapp, T., see Ellis, J., 261
- Knowles, G., Abebe, G. and Black, S.J.
Detection of parasite peptidase in the plasma of heifers infected with *Trypanosoma congolense*, 25
- Kusel, J.R., see MacGregor, A.N., 237
- Lantner, F., see Ram, D., 167
- Le Page, R.W.F., see Sternberg, J., 269
- Lew, A.M., see Sheppard, M., 45
- Lighthart, G.S., see Van Eys, G.J.J.M., 53
- Lottspeich, F., see Heidrich, H.-G., 147
- Luquetti, A.O., see Affranchino, J.L., 221
- MacGregor, A.N. and Kusel, J.R.
Isolation and characterisation of a surface membrane glycoprotein from adult *Schistosoma mansoni*, 237
- Macina, R.A., see Affranchino, J.L., 221
- Maizels, R.M., see Bradley, J.E., 197
- Markovics, A., see Ram, D., 167
- Masterson, W., see Roditi, I., 35
- McBride, J.S., see Fenton, B., 79
- McDougall, C., see Shiels, B., 209
- Miettinen-Baumann, A., see Heidrich, H.-G., 147
- Morel, C.M., see Esquenazi, D., 253
- Moreno, S.N.J., see Gadelha, F.R., 117
- Mottram, J., see Barnes, D.A., 135
- Murray, M.C. and Perkins, M.E.
Phosphorylation of erythrocyte membrane and cytoskeleton proteins in cells infected with *Plasmodium falciparum*, 229
- Myint-Oo, see Rangachari, K., 63
- Nash, G.B., see Rangachari, K., 63
- Norden, A.P., see Brindley, P.J., 99
- O'Sullivan, W.J., see Gero, A.M., 87
- Pearson, T.W., see Roditi, I., 35
- Perkins, M.E., see Murray, M.C., 229
- Petterson, U., see Affranchino, J.L., 221
- Posnett, E.S. and Ambrosio, R.E.
Repetitive DNA probes for the detection of *Babesia equi*, 75
- Prapunwattana, P., see Kiatfuengfoo, R., 109
- Prince, J.B., Araujo, F.G., Remington, J.S., Burg, J.L., Boothroyd, J.C. and Sharma, S.D.
Cloning of cDNAs encoding a 28 kilodalton antigen of *Toxoplasma gondii*, 3
- Ram, D., Grossman, Z., Markovics, A., Avivi, A., Ziv, E., Lantner, F. and Schechter, I.
Rapid changes in the expression of a gene encoding a calcium-binding protein in *Schistosoma mansoni*, 167
- Ramirez Ochoa, J.L., see Galindo, I., 245
- Ranford-Cartwright, L.C., see Sternberg, J., 269
- Rangachari, K., Beaven, G.H., Nash, G.B., Clough, B., Dlugewski, A.R., Myint-Oo, Wilson, R.J.M. and Gratzner, W.B.
A study of red cell membrane properties in relation to malarial invasion, 63
- Rassi, A., see Affranchino, J.L., 221
- Remington, J.S., see Prince, J.B., 3
- Reyes, M.B., see Affranchino, J.L., 221
- Richardson, J.P., see Roditi, I., 35
- Roditi, I., Dobbelaere, D., Williams, R.O., Masterson, W., Beecroft, R.P., Richardson, J.P. and Pearson, T.W.
Expression of *Trypanosoma brucei* procyclin as a fusion protein in *Escherichia coli*, 35
- Romans, P., see Sim, B.K.L., 127
- Schechter, I., see Ram, D., 167
- Schoone, G.J., see Van Eys, G.J.J.M., 53
- Scott, H.V., see Gero, A.M., 87
- Selkirk, M., see Barnes, D.A., 135
- Sharma, S.D., see Prince, J.B., 3
- Sheppard, M., Thompson, J.K., Anders, R.F., Kemp, D.J. and Lew, A.M.
Molecular karyotyping of the rodent malarial *Plasmodium chabaudi*, *Plasmodium berghei* and *Plasmodium vinckei*, 45
- Sher, A., see Brindley, P.J., 99
- Shiels, B., Hall, R., Glascoine, J., McDougall, C., Harrison, C., Taracha, E., Brown, D. and Tait, A.
Characterization of surface polypeptides on different life-cycle stages of *Theileria annulata*, 209
- Shonekan, O.A., see Hughes, D.E., 155
- Sim, B.K.L., Romans, P. and Harun, S.
Use of chitinase to facilitate detection of protozoan, helminth and single copy genes in squashed whole mosquitoes, 127
- Simpson, L., see Hughes, D.E., 155
- Sternberg, J., Turner, C.M.R., Wells, J.M., Ranford-Cartwright, L.C., Le Page, R.W.F. and Tait, A.
Gene exchange in African trypanosomes: frequency and allelic segregation, 269
- Strand, M., see Brindley, P.J., 99
- Suthiphongchai, T., see Kiatfuengfoo, R., 109
- Tait, A., see Shiels, B., 209
- Tait, A., see Sternberg, J., 269
- Taracha, E., see Shiels, B., 209
- Terpstra, W.J., see Van Eys, G.J.J.M., 53
- Thompson, J.K., see Sheppard, M., 45
- Traub-Cseko, Y.M., see Esquenazi, D., 253
- Turner, C.M.R., see Sternberg, J., 269
- Van Eys, G.J.J.M., Schoone, G.J., Lighthart, G.S., Alvar, Evans, D.A. and Terpstra, W.J.
Identification of 'Old World' *Leishmania* by DNA recombinant probes, 53
- Van der Ploeg, L.H.T., see Gwo-Shu Lee, M., 193
- Walliker, D., see Fenton, B., 79
- Wells, J.M., see Sternberg, J., 269
- Williams, R.O., see Gerhards, J., 15
- Williams, R.O., see Roditi, I., 35
- Wilson, C.F., see Fenton, B., 79
- Wilson, R.J.M., see Rangachari, K., 63
- Yuthavong, Y., see Kiatfuengfoo, R., 109
- Ziv, E., see Ram, D., 167

Subject Index

- Allelic segregation, 269
- Amino acid repeats, 221
- Amplified DNA, 189
- Antibody, 35
- Antigen, 3, 99, 237
- Antigenic diversity, 79
- Arsenite, 189

- Babesia equi*, 75

- Calcium-binding protein, 167
- Cercaria-specific protein, 167
- Chagas' disease, 221
- Chemotherapy, 99
- Chitinase, 127
- Chromosomal variant, 177
- Colony growth, 193
- Crithidia fasciculata*, 155
- Crystal violet, 117
- Cultivation, 193

- Dihydrofolate reductase-thymidylate synthase, 155
- Dipeptide repeat, 35
- DNA content, 245
- DNA probe, 75, 127
- DNA sequence, 253
- cDNA cloning, 3
- cDNA sequence, 167
- Drug resistance, 189
- Drug/antibody synergy, 99

- Electrokaryotype, 245
- Epidemiology of Gambian sleeping sickness, 135
- Equine babesiosis, 75
- Erythrocyte cytoskeleton, 229
- Erythrocyte membrane, 229

- Filariasis, 127
- Fusion protein, 35

- Gene amplification, 177
- Gene cloning, 221
- Gene location, 245
- Gene organization, 253
- Gene sequence, 167
- Genetic exchange, 269
- Genetics, 177
- Glycoprotein, 237
- Glycoproteins, 79

- Heifer, 25
- Hybridization, 193

- Identification, 53
- In vitro inhibition, 87
- In vitro translation, 15

- Infection plasma, 25
- Infection-associated glycoprotein, 209

- Kinetoplast DNA, 269

- Leishmania*, 53, 189, 245, 261
- Leishmania major*, 177
- lgT11, 3

- Malaria, 45, 127
- Merozoite surface polypeptide, 147
- Methotrexate, 189
- Mini-exon, 155, 177
- Mitochondria, 109
- Mitochondrion, 117
- Molecular karyotyping, 45
- Monoclonal antibody, 79, 209
- Mosquito, 127

- N-terminal amino acid sequence of processing fragments, 147
- Naegleria* spp., 281
- Nitrobenzylthioinosine cell permeation, 87
- Nucleoside transport, 87
- Nude mice, 99

- Onchocerca gutturosa*, 197
- Onchocerciasis, 197

- Parasite peptidase, 25
- Peanut agglutinin, 237
- Phosphorylation, 229
- Plasmid, 281
- Plasmodium berghei*, 45
- Plasmodium chabaudi*, 45
- Plasmodium falciparum*, 79, 87, 109, 147, 229
- Plasmodium falciparum* invasion, 63
- Plasmodium vinckei*, 45
- Ploidy, 177, 245, 261
- Polymorphism, 261
- Praziquantel, 99
- Precursor, 147
- Processing, 147
- Procyclic form, 35
- Procyclin, 35
- Proteolytic cleavage site, 147
- Pulsed field gradient electrophoresis, 45
- Pulsed-field electrophoresis, 177

- Radiolabelling, 197
- Recombinant DNA probe, 53
- Red cell membrane rigidity, 63
- Repetitive DNA, 75
- Repetitive sequence, 261
- Restriction fragment pattern, 281
- Rhodamine 123, 109
- Ribosomal RNA, 15

- Ribosomal RNA gene, 281
RNA sequence complexity, 15
- Schistosoma mansoni*, 167, 237
Schistosomiasis, 99
Sequence homology, 253
Shed antigen, 221
Southern blotting, 53
Sporocyst-specific mRNA, 167
Squash blot, 127
Surface antigen, 197
Surface membrane, 237
Surface polypeptide, 209
- Tandem repeat, 253
Taxonomy, 281
Telomeres, 261
Temporal and geographical stability of VSG genes in *Trypanosoma brucei gambiense*, 135
- Tetracycline, 109
Theileria annulata, 209
Theileria parva, 15
Toxoplasma gondii, 3
Trans-splicing, 155
Trypanosoma brucei, 193, 269
Trypanosoma brucei gambiense VSG genes, 135
Trypanosoma congolense, 25
Trypanosoma cruzi, 117, 221
Trypanosoma rangeli, 253
Trypanosome, 35
Trypanosome diagnosis and pathology, 25
Tubercidin, 87
Tubulin, 253
Two-dimensional electrophoresis, 79
- Uncoupler, 117

